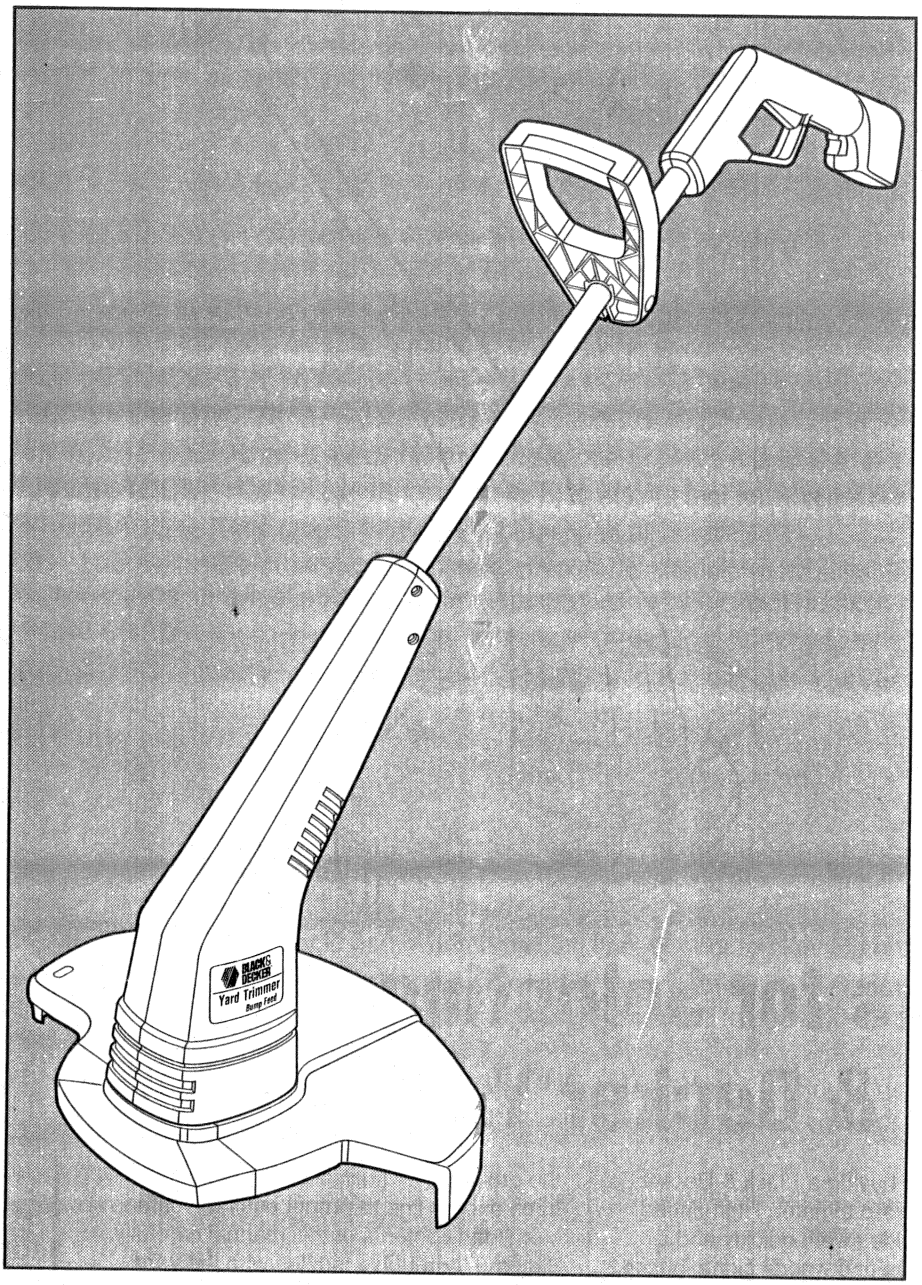
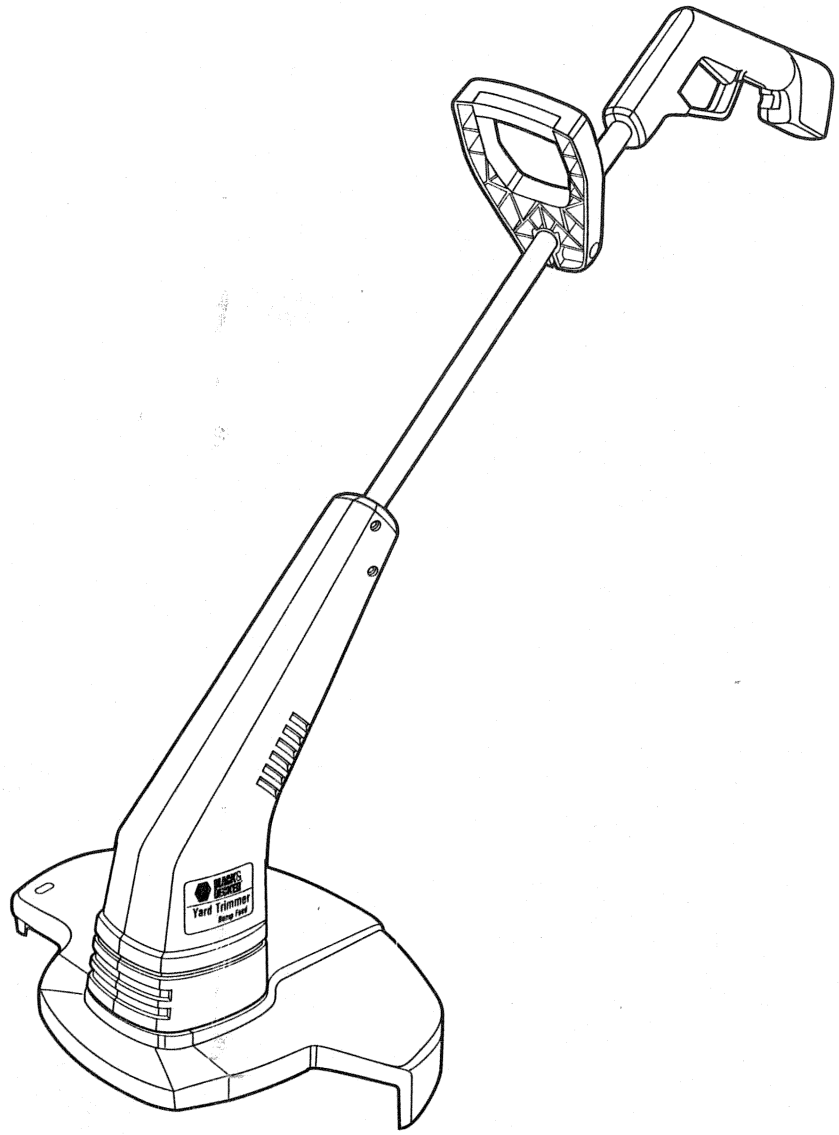
BLACK&DECKER®



Instruction Manual

Bump Feed Yard Trimmers
82314, 82316



Thanks for Selecting a Black & Decker Yard Trimmer.

Thank you for buying a Black & Decker electric nylon line yard trimmer. High-speed nylon line cuts a wide swath quickly and cleanly to trim grass and weeds along fences, walls, walks, around rocks and trees. It has an instant release safety switch. The line is advanced by simply bumping the unit against the ground. The built in cut-off automatically trims excess line to proper cutting length.

Read contents of this manual carefully. Become thoroughly familiar with the yard trimmer. It is important to read the Safety Instructions found on page 3.

BLACK&DECKER®

Important Safety Instructions

WARNING: When using Electric Tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

READ ALL INSTRUCTIONS

1. **SAFETY SPECTACLES OR GOGGLES**— Wear at all times when trimming.
2. **GUARD** — Do not use trimmer without guard attached.
3. **NYLON LINE** — Keep face, hands and feet clear of rotating nylon line at all times. Do not extend beyond length specified in this manual. Wear long pants to protect your legs.
4. **KEEP ALL BY-STANDERS AWAY** — at a safe distance from work area, especially children.
5. **AVOID ACCIDENTAL STARTING** — don't carry plugged-in tool with finger on trigger.
6. **DO NOT FORCE THE TOOL** — at a rate faster than the rate at which it is able to cut effectively.
7. **USE THE RIGHT TOOL** — Do not use this tool for any job except that for which it is intended.
8. **DON'T OVERREACH** — Keep proper footing and balance at all times.
9. **WARNING** — To prevent electric shock hazard, use only with an extension cord suitable for outdoor use. Always connect extension cords to a fused line or one protected by a circuit breaker.
10. **DON'T ABUSE CORD** — Don't yank cord from receptacle. Keep cord from heat, oil and sharp edges.
11. **EXTENSION CORDS** — to prevent disconnection of extension cord during operation, use extension cord retainer as described in this manual.
12. **DAMAGE TO UNIT** — If you strike or become entangled with a foreign object, stop trimmer immediately, unplug, check for damage and have any damage repaired before further operation is attempted. Do not operate with a broken hub or spool.
13. **DAMAGE TO CORD** — Keep power cord away from rotating line. If you damage the extension cord, unplug it at the electrical outlet before moving the trimmer or examining the damage. If there is damage to the extension cord, replace cord before further use.
14. **DISCONNECT TOOL** — When not in use, when replacing line, or prior to cleaning hub.
15. **DRESS PROPERLY** — Don't operate the tool when barefoot or wearing open sandals. Always wear substantial footwear. Use of rubber gloves and substantial rubber soled footwear is recommended when working outdoors.
16. **AVOID DANGEROUS ENVIRONMENTAL CONDITIONS** — Do not use electric tools in damp or wet locations. Follow all instructions in this Instruction Manual for proper operation of your Trimmer.
17. **DON'T USE THE TRIMMER IN THE RAIN.**
18. **DO NOT OPERATE** portable electric tools in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.
19. **STORE IDLE TOOLS INDOORS** — When not in use, tools should be stored indoors in dry, locked-up placed—out of reach of children.
20. **THE ROTATING LINE PERFORMS A CUTTING FUNCTION** — Use care when trimming around screens and desirable plantings.

SAVE THESE INSTRUCTIONS

Double Insulation

An Important Consumer Feature

Your tool is DOUBLE INSULATED to give you added safety. This means that it is constructed throughout with TWO separate "layers" of electrical insulation or one DOUBLE thickness of insulation between you and the tool's electrical system.

Tools built with this insulation system are not intended to be grounded. As a result, the extension cord used with your tool can be plugged into any conventional 120 Volt electrical outlet without concern for maintaining a ground connection.

NOTE: DOUBLE INSULATION does not take the place of normal safety precautions when operating this tool. The insulation system is for added protection against injury resulting from a possible electrical insulation failure within the tool.

CAUTION: When servicing Double Insulated Tools, **USE ONLY IDENTICAL REPLACEMENT PARTS.** Replace or repair damaged cords.

Extension Cords

Double insulated tools have 2-wire cords and can be used with 2-wire or 3-wire extension cords. Only round jacketed extension cords should be used, and we recommend that they be listed by Underwriters Laboratories (U.L.) (C.S.A. in Canada). If the extension will be used outside, the cord must be suitable for outdoor use. Any cord marked as outdoor can also be used for indoor work. The letters "WA" on the cord jacket indicate that the cord is suitable for outdoor use.

An extension cord must have adequate wire size (AWG or American Wire Gauge) for safety, and to prevent loss of power and overheating. The smaller the gauge number of the wire, the greater the capacity of the cable, that is 16 gauge has more capacity than 18 gauge. When using more than one extension to make up the total length, be sure each individual extension contains at least the minimum wire size.

To determine the minimum wire size required, refer to the chart below.

MINIMUM GAUGE FOR CORD SETS

120 Volts			Total Length of Cord in Feet			
Ampere Rating			25 ft.	50 ft.	100 ft.	150 ft.
More Than		Not More Than	A.W.G.			
0	–	6	18	16	16	14
6	–	10	18	16	14	12
10	–	12	16	16	14	12
12	–	16	14	12	NOT RECOMMENDED	

Before using an extension cord, inspect it for loose or exposed wires, damaged insulation, and defective fittings. Make any needed repairs or replace the cord if necessary. Black & Decker has extension cords available that are U.L. (C.S.A. in Canada) listed for outdoor use.

Assembly

Remove trimmer from carton and examine it thoroughly to make sure it is not damaged.

Medium blade screwdriver required for assembly.

AUXILIARY HANDLE INSTALLATION: (UNPLUG TRIMMER)

NOTE: On some units the handle will be already installed to the tube. If your tool is one of these, proceed to Step Number 3.

1. Slip the open end of the auxiliary handle over the wires leading from the handle tube into the motor housing, as shown in Figure 1. Make sure that the smooth side is up (away from the ground) as shown in the figure.

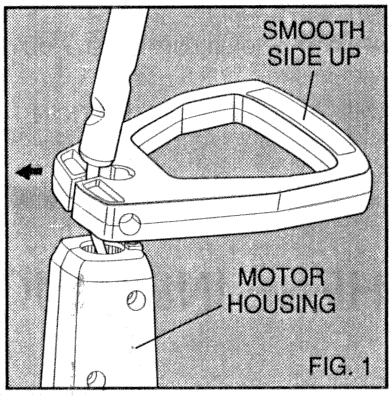


FIG. 1

2. Slide the handle up the handle tube to a point about 6" below the plastic switch handle.
3. Select, from the plastic bag, the short screw and the larger of the three hex nuts. Insert the hex nut into the hex shaped recess in the handle, as shown in Figure 2. Insert the screw into the right side of the handle and tighten it into the hex nut.

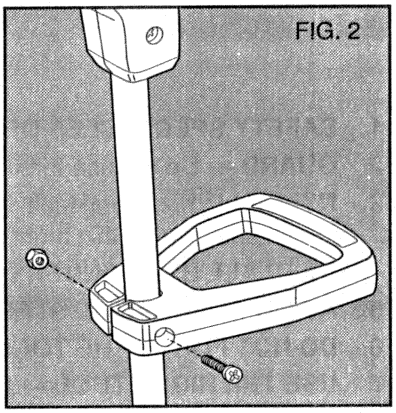


FIG. 2

NOTE: The auxiliary handle can be readjusted as necessary by loosening the screw and repositioning the handle. Tighten the screw firmly to hold the handle in position.

HANDLE TUBE TO MOTOR HOUSING ASSEMBLY: (UNPLUG TRIMMER)

1. Align the switch handle with the motor housing, as shown in Figure 3, making sure that you avoid the alignment shown in Figure 4.

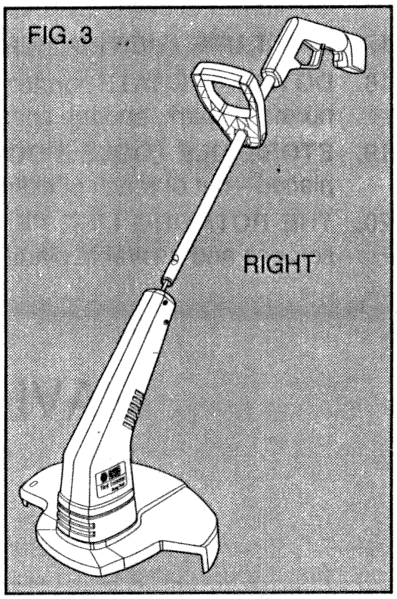
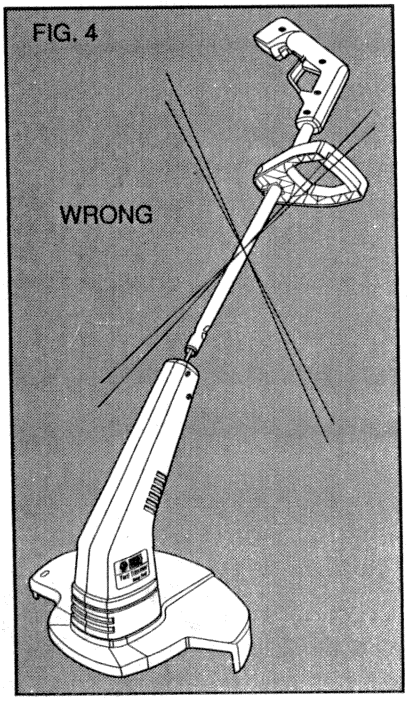
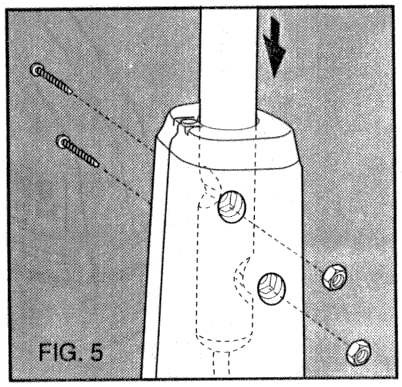


FIG. 3



2. Insert the handle tube into the motor housing, as shown in Figure 5 and push it in far enough so that the two flattened sections of the handle tube align with the two holes in the motor housing.



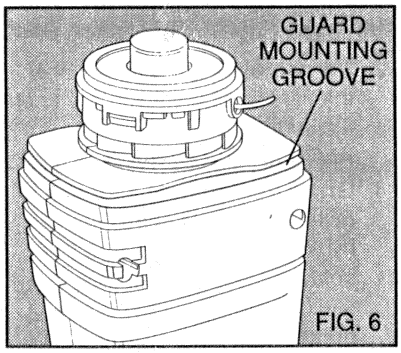
3. Taking care to avoid pinching the wires, insert the two remaining hex nuts from the plastic bag into the hex shaped recesses in the motor housing. Insert the two remaining screws into the other side of the motor housing and tighten them firmly into the hex nuts.

GUARD INSTALLATION: (UNPLUG TRIMMER)

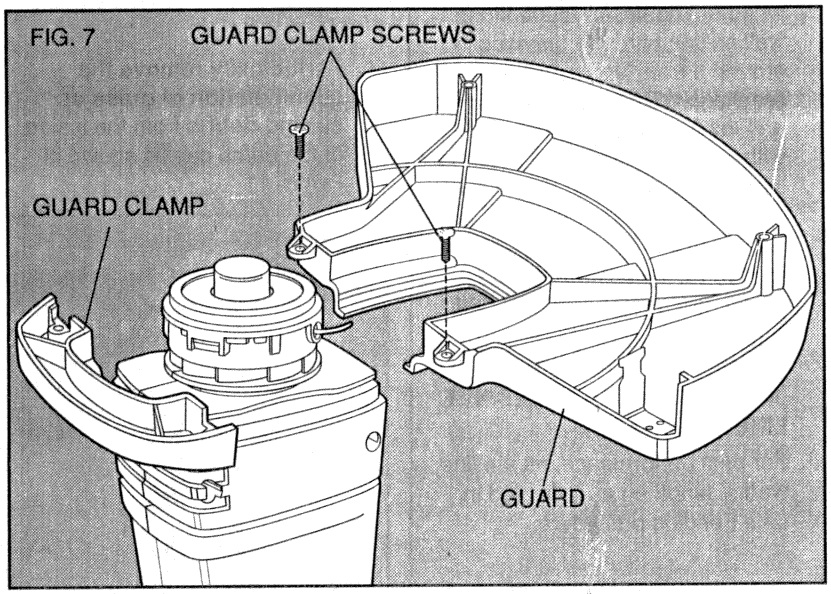
WARNING:

The guard should always be on the tool to protect the user. It also contains a blade for automatic control of nylon line length and for protection against motor overloading. Use caution when handling.

1. Examine the bottom of the motor housing and find the guard mounting groove, shown in Figure 6.

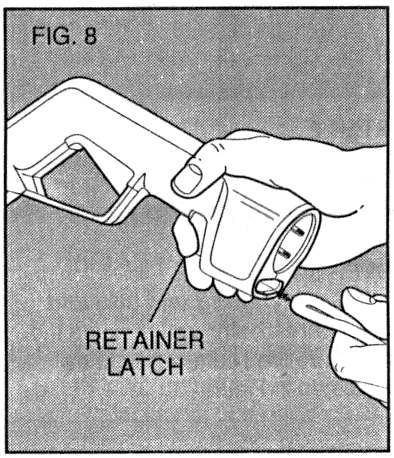


2. Select, from the carton, the guard, the guard clamp and the two guard clamp screws (from the plastic bag) and assemble the parts as shown in Figure 7.



EXTENSION CORD RETAINER: (UNPLUG TRIMMER)

An extension cord retainer is built into the switch handle that prevents the extension cord from pulling out of the handle. To use the retainer, simply double the extension cord, as shown in Figure 8, about a foot from the female end. Depress the retainer latch, shown in the figure, and insert the cord as far as it will go. Holding the cord in place, release the retainer latch and the cord will be securely held. Plug the female end of the extension cord into the plug in the end of the switch handle. To remove the cord, simply depress the retainer latch and pull the cord out.



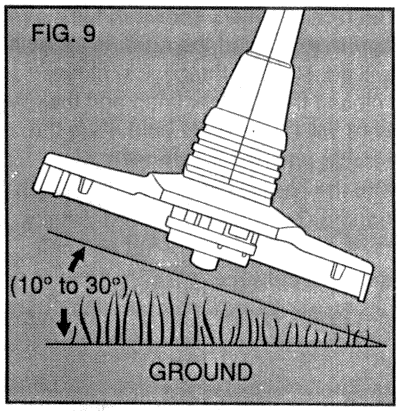
How To Use Your Black & Decker Trimmer

The trimmer will cut grass and small weeds in difficult and hard-to-reach places. Proper trimming technique is essential to obtain the maximum in performance and handling ease. As you learn the trimming techniques listed below, you will be able to cut areas around trees, shrubs, foundation walls, along fences, sidewalks, patios, etc., with minimal line wear or line breakage.

CAUTION: Inspect area to be trimmed for any wire, cord, or string-like matter which could become entangled in the rotating line or spool. Be particularly careful to avoid any wire which might be bent outwardly into the path of the tool, such as barbs at the base of a chain link fence.

STEP 1

TILT trimmer at a slight angle from the ground (Figure 9).

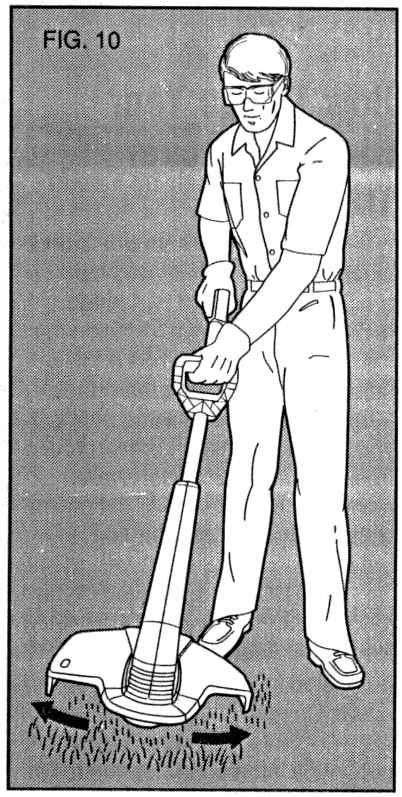


STEP 2

LOWER to grass or weeds you intend to cut. (If they are over 8" high, start cutting at top.)

STEP 3

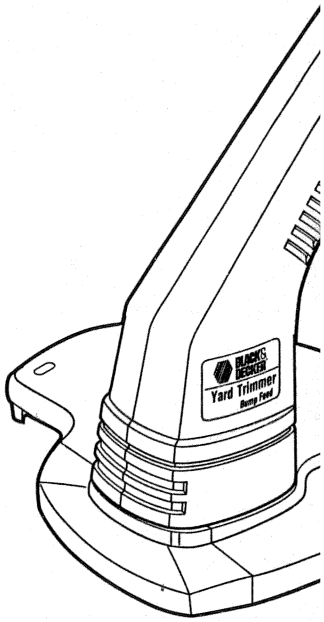
Slowly swing unit into and out of area being cut, holding the unit at desired cutting height as indicated in Figure 10.



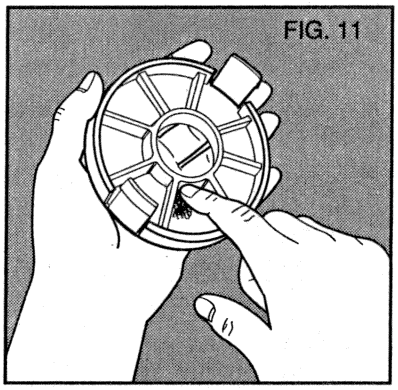
IMPORTANT -- for the best cutting action against walls, fences and in high grass, move trimmer slowly so grass is cut **WITH THE TIP** of the high speed nylon line.

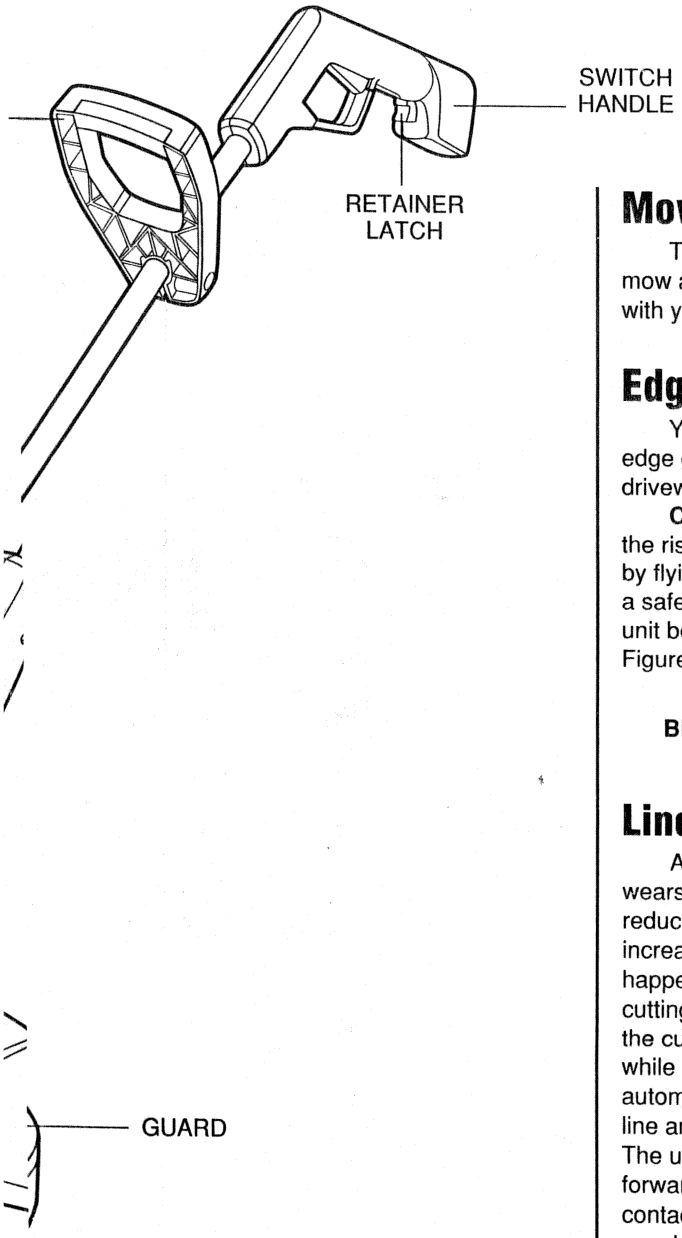
Trimming Technique and Performance Notes

1. **Angle unit slightly** (10° to 30°) with reference to area being cut (Figure 9).
2. **Slowly swing into and out of area being cut,** maintaining unit at desired cutting height, using a side-to-side motion as indicated (Figure 10). Avoid running trimmer with hub in contact with ground.
   CUT from right to left whenever possible for maximum cutting power.
3. **Do not force the unit** — Allow the very tip of the nylon line to do the cutting. **(ESPECIALLY ALONG WALLS).**
4. **Grass in excess of 8 inches tall or heavy weeds** should be cut by working from the top to the bottom in small increments to avoid string entanglement or breakage.
5. **Trim only when grass and weeds are dry.**
6. The life of your nylon line is dependent upon following the above trimming techniques, as well as what is being cut, and where the cutting is being done.
   EXAMPLE: Line will wear faster when run against a foundation wall as compared to trimming around a tree. Some line breakage will occur from feeding unit too fast, from entanglement with foreign matter, from normal line fatigue, and from attempting to cut thick, stalky weeds in excess of unit's capability.
   NOTE: As the weather becomes cooler, the tendency for the nylon line to break becomes greater. **USE OF THE TOOL BELOW 50°F WILL CAUSE EXCESSIVE LINE BREAKAGE.**
7. For best performance, as the line wears, lengthen as indicated in Line Feeding procedure.



8. **Periodically remove the accumulation of grass or cutting debris** from the inside of the bump cap as shown in Figure 11.





9. **EXCESSIVE VIBRATION** may be caused by loose or unevenly wound nylon line. To correct such a problem, remove the spool (see "Servicing Bump Mechanism") unwind all the loose or uneven layers of line and rewind the spool tightly and evenly. Reinstall spool and resume trimming.
10. Avoid cutting through the thin bark of young trees. This practice will kill them.

Mowing

The Trimmer can be used to mow areas that are difficult to reach with your lawn mower.

Edging

You can use the Trimmer to edge grass neatly along walks, driveways, curbs, etc.

CAUTION: Edging increases the risk of injury that may be caused by flying debris. Keep bystanders at a safe distance and do not tilt the unit beyond the 30° angle shown in Figure 9.

BE SURE TO WEAR EYE PROTECTION

Line Feeding

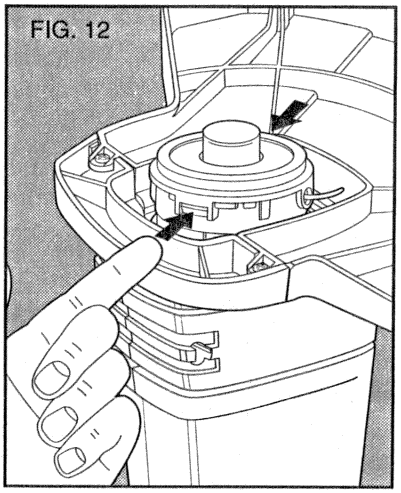
As the tip of the nylon line wears out, you will notice a general reduction in performance and an increase in motor speed. When this happens, feed a new length of cutting line by tapping the center of the cutting head lightly on the lawn while the trimmer is running. This will automatically feed a new length of line and trim it to the correct length. The unit should be angled slightly forward to prevent the guard from contacting the ground. This process may be repeated as often as necessary. If unit fails to feed, stop unit, unplug tool, and pull one length of line out by hand. If unit still fails to feed, clean bump mechanism as described in the following section.

Servicing Bump Mechanism

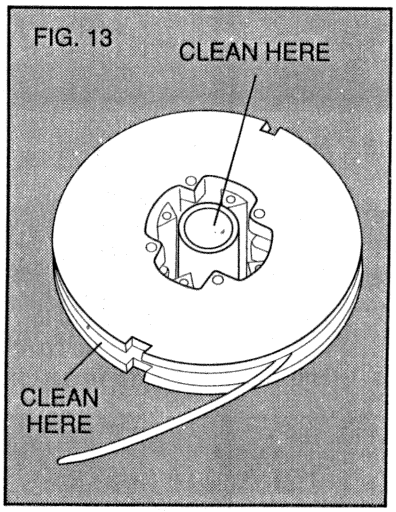
CLEANING

RECOVERY OF BROKEN LINE

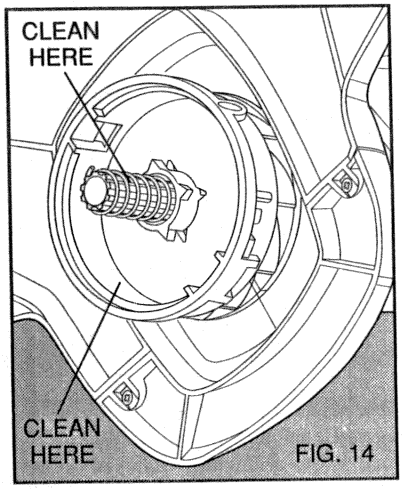
1. Stop unit and unplug extension cord at trimmer handle.
2. Remove cap by pushing two tabs in and up as shown in Figure 12, then lift off. (It is not necessary to push both tabs in at the same time).



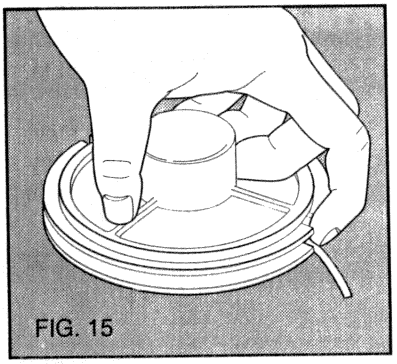
3. Remove any debris and grass buildup that may be inside the cap and inside of the hole in the cap.
4. Remove spool by aligning the notch on edge of spool with eyelet in hub and pulling straight out. Be careful not to lose the spring.
5. Remove any debris that may be on the spool and wipe any dirt from the inside of the hole as shown in Figure 13.



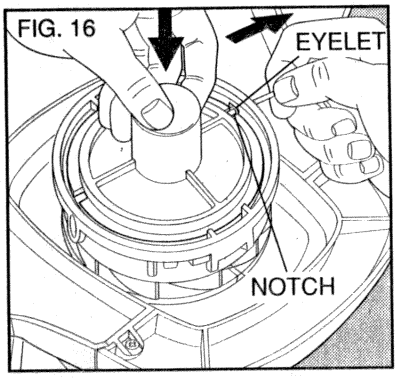
6. Remove any debris that may be inside the hub and wipe any dirt off the ribs on the shaft as shown in Figure 14.



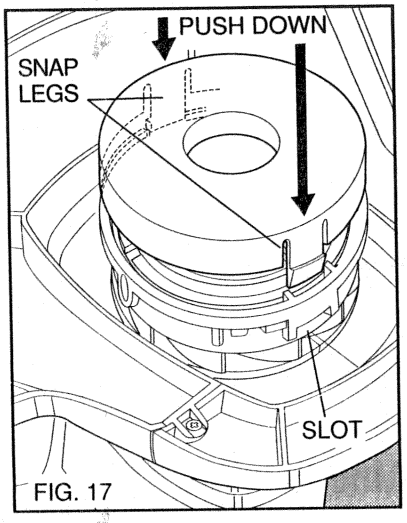
7. Unwind about 3" of line from the spool and hold it in one of the two notches as shown in Figure 15. Make sure spring is in place on the hub.



8. Align the notch under your finger with the eyelet in the hub. Feed line through eyelet, then push spool straight onto shaft on hub while maintaining tension on the line with your other hand. Be careful not to trap the line between the spool and hub. See Figure 16.



9. Install the cap by pushing both tabs into the hub at once. Make sure that both tabs are snapped securely in place. See Figure 17.



10. Pull line out by hand until tight. The line should extend out no further than the guard. You are now ready to resume trimming. The cutoff blade will automatically trim excess line to the proper length.

Installing New Pre-wound Spool

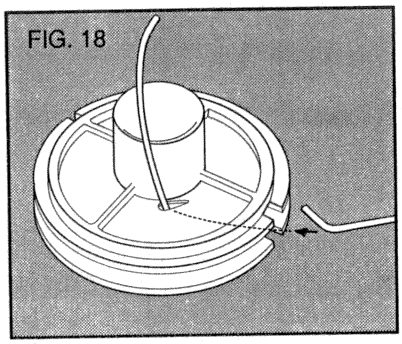
(See pages 11 & 12 for ordering information)

1. Perform steps 1 - 4 under "Servicing Bump Mechanism".
2. Discard old spool and remove tape from new spool.
3. Perform steps 6 - 10 under "Servicing Bump Mechanism".

Rewinding Spool From Bulk Line

(See pages 11 & 12 for ordering information)

1. Perform steps 1 - 6 under "Servicing Bump Mechanism".
2. Remove all old line from the spool.
3. a. Put a slight bend in the end of the new line, about 1/2" from the end. Push end of new line through the tapered slot in the spool until about 6" is exposed. See Figure 18.

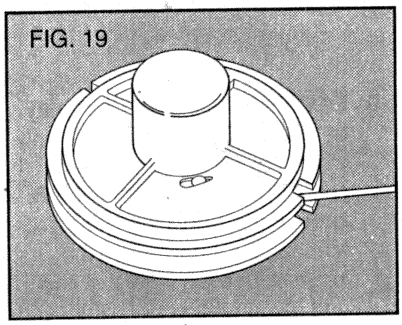


b. Make a small bead (1/8" maximum) at the end of the line by melting the end of the line using any available heat source (be sure not to touch the end of the line while the plastic is still hot!)

An alternate method is to make a small knot at the end of the line.

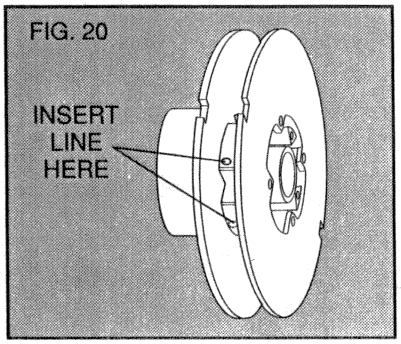
c. Pull the line back out again until the bead or knot is against the surface of the spool and the line is wedged firmly into the tapered slot. See Figure 19.

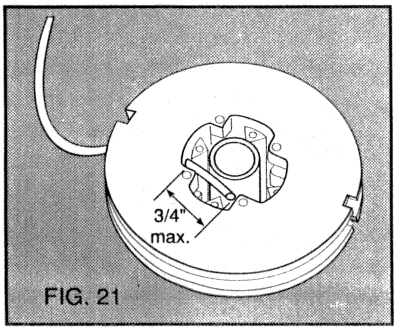
Be sure that the line or knot does not stick up above the spool more than 1/8".



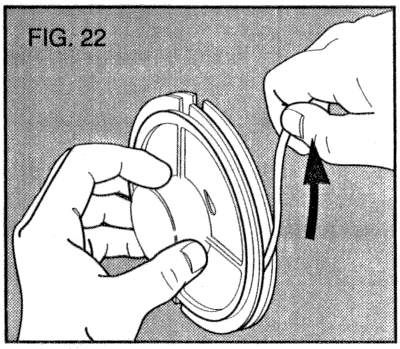
ALTERNATE METHOD

Figures 20 and 21 show an alternate method of starting the spool. Insert the end of the bulk line into either one of the two holes shown in Figure 20. Push the line in until about 3/4" (1/2" min. 3/4" max.) is visible on the underside of the spool, as shown in Figure 21.





4. Rewind spool in the direction shown by the arrow on the spool. See Figure 22. For catalog number 82314, use approximately 35 ft. of .065" diameter nylon monofilament line. For catalog number 82316, use approximately 25 ft. of .080" diameter nylon monofilament line. Spool should be about 3/4 full.
5. Perform steps 7 - 10 under "Servicing Bump Mechanism".



Maintenance

(Unplug Tool!)

MAINTAIN TOOL WITH CARE

1. Keep the air intake slots clean to avoid overheating which will damage trimmer. For this cleaning, use a dry brush or cloth to remove grass, sap or other debris.
2. Plastic parts may be cleaned by using a mild soap and a rag dampened with hot water. Avoid all other types of detergents, cleaners or solvents which might contain chemicals that could seriously damage the plastic. Do not spray the Trimmer with water.
3. Self lubricating bearings are used in the tool and periodic relubrication is not required. However, it is recommended that after two or three seasons of use, you take or send the trimmer to one of our service locations (see TOOLS, ELECTRIC in Yellow Pages) for a thorough cleaning, inspection and relubrication. If the tool is being used professionally, the above should be accomplished after each trimming season.
4. If Trimmer fails to operate, disconnect extension cord from power source first, then from Trimmer. Make sure extension cord is undamaged and that house fuses are not blown or circuit breakers tripped. If Trimmer still fails to operate, take or send it to your local B&D Service Center for repair. Do not attempt to repair it yourself.
5. **IMPORTANT:** To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (other than included in this manual) should be performed by Black & Decker Service Centers or other qualified service organizations, always using Black & Decker replacement parts. When servicing Double-Insulated Tools, use ONLY IDENTICAL REPLACEMENT PARTS.

Accessories

Replacement line and safety spectacles are available from your local dealer, or a Black & Decker Service Center.

A complete listing of service centers is included on the owner's registration card packed with your tool.

If you need assistance in locating any accessory, please contact: Black & Decker (U.S.) Inc., Consumer Service Department, 626 Hanover Pike, P.O. Box 618, Hampstead, MD 21074-0618.

Cat. No. 82-195. One Pre-wound replacement spool with 35 feet of .065 diameter nylon line for catalog number 82314 trimmer.

Cat. No. 82-602. One 50 foot coil of .065 diameter Nylon line for catalog number 82314 trimmer. Rewind on your present spool.

Cat. No. 82-196. One prewound replacement spool with 25 ft. of .080" diameter nylon line for catalog number 82316 trimmer.

Cat. No. 82-603. One 50 ft. coil of .080" diameter nylon line for catalog number 82316 trimmer. Rewind on your present spool.

Cat. No. 72-000 Safety Spectacles.

CAUTION: Use only the above accessories with your Yard Trimmer. The use of any other attachment or accessory might be hazardous. Use only specially treated Black & Decker Monofilament Nylon Line with your Yard Trimmer. DO NOT use a heavier line than recommended or any other line materials such as metal wire, rope, fishing line, etc.

NOTE: Always include date code numbers on all correspondence. This 4 or 5 digit number is printed on the nameplate label located on the motor housing.

Important

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement) should be performed by BLACK & DECKER Service Centers or other qualified service organizations, always using Black & Decker replacement parts. When servicing use ONLY IDENTICAL REPLACEMENT PARTS.

cut here

To order by mail, drop this customer order form in an envelope and mail.

Check Chart for Proper Model Number Before Ordering

Catalog Number	Price Each	SAVE Order Two	SAVE Order Three	Qty.	Total Amount
82-195	5.99	10.80	14.40		
82-602	1.99	3.60	5.40		
82-196	5.99	10.80	14.40		
82-603	1.99	3.60	5.40		
Shipping and Handling Fee Chart If your order is... Up to $9.99, add $1.00 $10.00 and over, add $1.75		SUBTOTAL		$	
		ADD LOCAL SALES TAX (Except DE, DC, ID, MT, ND, SD, WY, MS, NH, RI, VT)		$	
		SHIPPING/HANDLING		$	
		TOTAL AMOUNT		$	

Cut out and mail this form to:

Grass Trimmer Line Offer
Black & Decker
P.O. Box 600
Hampstead, MD 21074-0600

Grass Trimmer Line Offer Customer Order Form

Model No. of B&D Trimmer purchased _____

Name _____

Street Address _____

City _____ State _____ Zip _____

Telephone: ( ) - _____ - _____

Method of Payment: DO NOT SEND CASH. C.O.D. orders can not be accepted.

☐ Check or M.O.: Payable to Black & Decker (U.S.) Inc.
☐ VISA ☐ MASTERCARD

Card Number

|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|

Expiration Date _____ / _____
Month Year

Cardholder's Sig. _____

Offer good in United States only. Prices subject to change.
Expect delivery in 4 weeks.

See your local dealer who may have these products.

Notes

Home Use Warranty

(A Full One Year Warranty)

Black & Decker (U.S.) Inc. warrants this product for one year against any defects that are due to faulty material or workmanship. Please return the complete unit, transportation prepaid, to the seller (if a participating retailer) for free replacement (proof of purchase may be required). The unit may also be returned to a Black & Decker Service Center or Authorized Service Station, listed under "Tools Electric" in the yellow pages for free replacement or repair at our option.

This warranty does not apply to accessories. This warranty gives you specific legal rights and you may have other rights which vary from state to state. Should you have any questions, contact your nearest Black & Decker Service Manager.

Every Black & Decker tool is of the highest quality. If you wish to contact us regarding this product, please call toll free between 8:00 a.m. and 5:00 p.m. EST, Monday through Friday.

1-800-762-6672

Like most Black & Decker tools, your Yard Trimmer is listed by Underwriter's Laboratories to ensure that it meets stringent safety requirements.

This symbol on the nameplate means the product is listed by Underwriter's Laboratories, Inc.

See 'Tools-Electric'
—Yellow Pages—
for Service & Sales

BLACK&DECKER®

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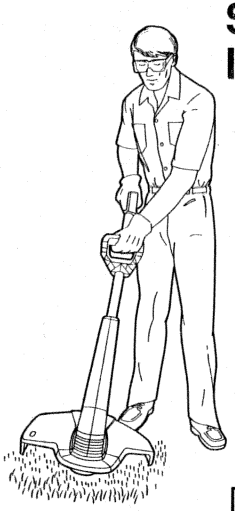
BLACK & DECKER (U.S.) INC., U.S. Power Tools Group, 10 North Park Drive, P.O. Box 798, Hunt Valley, MD 21030-0798

Don't run out of nylon line in the middle of a trimming job.



Stock up with replacement line...order spools, hanks now...

Just check the model number of your B&D grass & weed trimmer now...and order a supply of replacement line. Then...if your line runs out while you're trimming...you can snap in a new line simply and easily. To order just check off your needs on the handy order form on the back side and we'll ship it to you right away.

CHECK YOUR MODEL NUMBER AND ORDER YOUR SUPPLY NOW

See reverse side for ordering details.

Model#	Cat.#/Description	Price Each	Save Up to 10% Price for 2	Save Up to 20% Price for 3
82314	82-195 Pre-wound spool with 35' of .065" line.	5.99	10.80	14.40
82316	82-196 Pre-wound spool with 25' of .080" line.	5.99	10.80	14.40
Nylon line in 50 ft. hanks for winding on empty spool or disc.				
82314	82-602 .065" line	1.99	3.60	5.40
82316	82-603 .080" line	1.99	3.60	5.40